

GFM81AF Recombinant Mouse IL-36 γ (Animal-Free)

Description

Interleukin-36 γ (IL-36 γ) is a member of the interleukin-1 (IL-1) cytokine family and protects against pathogens in the skin, lung, and stomach epithelial barriers. IL-36 γ binds the interleukin-1 receptor accessory protein (IL-1RAcP) and the orphan IL-1R-related protein 2 (IL-1Rrp2) receptors to activate NF-kappaB and MAP kinase signaling pathways, resulting in the induced production of inflammatory cytokines and chemokines.

This product is produced with no animal derived raw products. All processing and handling employs animal free equipment and animal free protocols.

Length	153 aa
Molecular Weight	17.5 kDa
Source	E. coli
Accession Number	Q8R460
Purity	\geq 95% determined by reducing and non-reducing SDS-PAGE

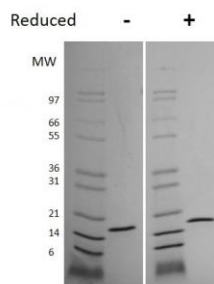
Specifications

Alternative Names	IL-1F9, IL-1 epsilon, interleukin-36, interleukin 36, IL36, IL 36 γ
Biological Activity	Activity to be determined.
Endotoxin Level	\leq 1.00 EU/ μ g as measured by kinetic LAL
Formulation	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
AA Sequence	MGRETPDFGE VFDLDQQVWI FRNQLVTVR RSHRVTPVSV TILPCKYPES LEQDKGIAIY LGIQNPDKCL FCKEVNGHPT LLLKEEKILD LYHHPEPMKP FLFYHTRTGG TSTFESVAFP GHYIASSKTG NPIFLTSSKG EYNNINFNLD IKS

Preparation and Storage

Reconstitution	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile 10 mM HCl at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
Stability and Storage	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.

Data



Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 μ g of protein was loaded in each lane. Mouse IL-36 γ has a predicted Mw of 17.5 kDa.